



NITFS Compliance Registration



Product: Dissemination Element (DE) Version 3.7 Build 481

Sponsor: NIMA

Developer: Lockheed Martin

Date: 14 July 2002

Expiration: 13 July 2004

Registration #: 123

- ☐ Initial Registration
☒ Supplemental/Update #
☐ Derived from Reg. #

☒ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☐ **Component**
N-0105/98, §4.1.3

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:

- DEC Client - DEC Alpha - OSF/2 [CLEVELs 4-6]
Image Formats: Full, IMP, Chips, 11/16 Bit

- SGI Client - MIPS - IRIX 6.2 [CLEVELs 4-6]
Image Formats: Full, IMP, Chips, 11/16 Bit

- Sun Client - Ultra 5 - Sun Solaris 2.6 [CLEVELs 1-6]
Image Formats: Full, IMP, Chips, 8/8 and 11/16 Bits

- Sun Server - Ultra Sparc - Sun Solaris 2.6 [CLEVELs 4-6]
Image Formats: Full, IMP, RRDS, 11/16 Bit

NITFS Features Implemented:

Format

NITF

- ☐ v2.1
☒ v2.0
☐ v1.1

NSIF

- ☐ v1.0

Pixel Value Types

- ☐ Boolean
☒ Integer
☐ Signed Integer *
☐ IEEE Real *
☐ IEEE Complex *

Annotation Segment Types

- ☐ Bit Mapped **
☐ CGM, 2301
☐ CGM, 2301A
☐ Labels **

Text Segments

- ☐ STA
☐ UT1
☐ U8S
☐ MTF

Image Segment Types

- ☒ MONO
☐ RGB
☐ RGB/LUT
☐ YCbCr
☐ MULTI
☐ NODISPLAY
☐ POLAR

Image Compression

- ☒ Not Compressed
☐ JPEG Lossy, 8-bit
☐ JPEG Lossy, 12-bit
☐ JPEG Downsample
☐ JPEG Lossless
☐ JPEG 2000
☐ Bi-Level
☐ Vector Quantization
☐ Multispectral JPEG, Individual Band

Data Extension Segments

- ☐ TRE_OVERFLOW
☐ STREAMING_FILE_HEADER
☐ Controlled Extensions **
☐ Registered Extensions **

Tagged Record Extensions

- ☒ PIAE - PIAPRC
☒ National SDE - ALL

NOTE: Version supports unaltered "pass through" of JPEG compressed and uncompressed NITF products.

CHRISTOPHER K. LONG, Acting Division Chief
Joint Interoperability Test Command
Executive Agent to National Imagery & Mapping Agency
for the NITFS Test and Evaluation Program

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.